

TRIZfest-2026

Theory Deepening, Industrial Application, and Educational Transformation: Integrating TRIZ Across Industry, AI, and Lifelong Learning Ecosystems

TRIZfest-2026, for the first time in the history of this event, will introduce a "dual-venue" format, designed to address two major areas of interest: ***Practices in industrial cluster*** and ***Innovation in education***.

- The “Practices in industrial cluster” session will be held in Tianjin on 13-15 Oct. 2026.
- The “Innovation in education” session will be held in Jinzhou on 17-18 Oct. 2026.

The “Practices in industrial cluster” session

Tianjin University of Technology and Education

Website: <http://www.tute.edu.cn>

Address: No. 1310, Dagou South Road, Hexi District, Tianjin, China



天津职业技术师范大学成立于1979年，是我国最早建立的以培养职业教育师资为主要任务的师范大学，是教育部、人力资源社会保障部与天津市人民政府共建高校，天津市高水平特色大学建设高校。学校秉承“爱国敬业 团结创新”校训，坚持“动手动脑 全面发展”办学理念，构建起全国唯一一本硕博全层次职教师资培养体系，3次荣获国家级教学成果最高奖，2次荣获“全国民族团结进步模范集体”称号，荣获“全国文明单位”“全国文明校园”“全国教育系统先进集体”称号，荣获全国黄炎培职业教育奖优秀学校奖、杰出校长奖，被誉为“全国职业技术师范教育第一校”“中国培养职教师资的摇篮”。

Tianjin University of Technology and Education (TUTE), founded in 1979, was the first university in China established specifically to train teachers for vocational education. It is jointly supported by the Ministry of Education, the Ministry of Human Resources and Social Security, and the Tianjin Municipal Government, and is recognized as one of Tianjin's high-level, characteristic universities.

Guided by its motto, “*Patriotism and dedication, unity and innovation*” the university upholds the philosophy of combining hands-on practice with intellectual development to foster well-rounded graduates. TUTE has built the country's only complete vocational teacher-training system spanning bachelor's, master's, and doctoral levels. It has received the highest national awards for teaching achievements three times, been twice named a National Model Collective for Ethnic Unity and Progress, and earned titles such as *National Civilized Unit*, *National Civilized Campus*, and *National Advanced Collective in Education*. The university has also received the prestigious Huang Yanpei Vocational Education Awards for Excellent School and Outstanding President.

TUTE is widely known as “the leading institution for vocational teacher education in China” and “the cradle of vocational educators in the country.”

国际交流。习近平总书记亲自宣布的中国—上海合作组织职业技术教育合作中心落户我校。作为我国最早派出职教师资援外教师的高校，学校是教育部首批设立的教育援外基地和“中非高校20+20合作计划”项目院校，是外交部、教育部设立的“东盟教育培训中心”。当选教育部鲁班工坊建设专家委员会主任委员，设有鲁班工坊国际发展研究中心（天津市高校智库），服务全球鲁班工坊建设。援助埃塞俄比亚建立该国职业教育领域第一所最高等级的职业院校埃塞—中国职业技术学院，建设埃塞俄比亚鲁班工坊，在人工智能领域引领埃塞俄比亚等东非国家的技术技能人才和职教师资培养及行业发展，被非盟总部设立为面向整个非洲的技术技能人才培养基地。建设美洲第一个鲁班工坊—尼加拉瓜鲁班工坊。设有“工程实践创新项目（EPIP）研究与推广中心”，联动全球19个国家和地区设立了30个EPIP应用和推广分中心，与世界分享中国职业教育创新发展成果。在非洲、大洋洲、欧洲设立了3所孔子学院、6个孔子课堂、2个汉语教学点，开展国际中文教育和文化交流。与俄罗斯、德国、英国、加拿大、波黑、新加坡、新西兰、日本、埃塞俄比亚等国的50余所高校及政府机构签署合作协议并开展多层次

的合作与交流。与爱尔兰大西洋理工大学开展“双学位”中外合作办学项目，与爱尔兰、英国、韩国、日本、波兰等合作院校开展学生互换交流项目，来自 30 余个国家的国际学生在校攻读本、硕、博专业学位。

International Cooperation

Tianjin University of Technology and Education hosts the China–Shanghai Cooperation Organization Center for Vocational Education, a project personally announced by President Xi Jinping. As one of the first Chinese universities to send vocational education experts abroad, the university was among the Ministry of Education’s earliest designated bases for international educational assistance and is a participating institution in the *China–Africa 20+20 Cooperation Plan*. It also serves as an *ASEAN Education and Training Center* established by the Ministry of Foreign Affairs and the Ministry of Education.



The university chairs the Ministry of Education’s Expert Committee for Luban Workshops and houses the *Luban Workshop International Development Research Center*, a Tianjin municipal think tank supporting the global development of Luban Workshops. TUTE helped Ethiopia establish its first top-level vocational college, the Ethiopia–China Vocational and Technical College, and built the Ethiopian Luban Workshop. Through leadership in AI-related training and teacher development, the university has become a driving force in technical talent cultivation across Ethiopia and other East African countries, and the African Union has designated it as a continent-wide training base for technical and skilled professionals.





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The university also established the first Luban Workshop in the Americas, located in Nicaragua. It operates the *Engineering Practice and Innovation Program (EPIP) Research and Promotion Center*, which coordinates 30 EPIP centers across 19 countries and regions, sharing China's innovations in vocational education with the world.

TUTE has founded three Confucius Institutes, six Confucius Classrooms, and two Chinese language teaching centers across Africa, Oceania, and Europe, promoting international Chinese language education and cultural exchange.

More than 50 universities and government institutions from Russia, Germany, the United Kingdom, Canada, Bosnia and Herzegovina, Singapore, New Zealand, Japan, Ethiopia, and other countries have signed cooperation agreements with TUTE, enabling extensive exchange and collaboration at multiple levels. The university runs a joint “dual-degree” program with Atlantic Technological University in Ireland and conducts student exchange programs with partner institutions in Ireland, the UK, South Korea, Japan, Poland, and others. International students from over 30 countries are currently pursuing bachelor's, master's, and doctoral degrees at TUTE.

The “Innovation in education” session

Liaoning Petrochemical College

Website : <http://www.tute.edu.cn>

Address : No. 1310, Dagu South Road, Hexi District, Tianjin, China



辽宁石化职业技术学院隶属辽宁省教育厅，始建于1952年，设滨海、古塔2个校区。建有国家级示范性虚拟仿真实训基地、省级示范性虚拟仿真实训基地、省级产教融合实训基地、中国石化联合会首批石油和化工行业安全技能实训基地，与企业合作设立校外实训基地83个，拥有校内实训室145个。现有应急管理产业学院1个，兴辽产业学院5个、乡村振兴产业学院3个。学生近年参加职业院校技能大赛、挑战杯等国家级比赛并获奖22项，其中全国职业院校技能大赛一等奖8项，世界职业院校技能大赛银奖2项、铜奖1项。

Liaoning Petrochemical College, under the supervision of the Liaoning Provincial Department of Education, was founded in 1952 and operates two campuses: Binhai and Guta. The college hosts a national model virtual simulation training center, a provincial model virtual simulation training center, a provincial industry–education integration training base, and one of the first safety skills training bases for the petroleum and chemical industries established by the China Petroleum and Chemical Industry Federation. It also runs 83 off-campus training centers in partnership with industry, along with 145 on-campus training laboratories.

The college currently has one Emergency Management Industry Academy, five “Revitalize Liaoning” Industry Academies, and three Rural Revitalization Industry Academies. In recent years, students have earned 22 national-level awards at competitions such as the National Vocational Students Skills Competition and the “Challenge Cup,” including eight first prizes at the national vocational skills competition, as well as two silver and one bronze medal at the World Vocational College Skills Competition.

国际交流。学校坚持推进高水平对外开放，提升国际影响力，立足服务“一带一路”倡议和国际产能合作需求，依托辽宁职业教育出海品牌“墨子工坊”、泰国海外产学研基地、“丝路华语”海外培训中心、巴铁友谊语言中心等平台，以培养国际化高素质技术技能人才和服务“走出去”企业为宗旨，积极开展留学生学历教育、海外员工技能培训。经教育部备案，与俄罗斯喀山国立研究型工艺大学开展合作办学招生，与“一带一路”沿线国家中资企业合作，将新工艺、新技术、新规范等融入教学标准和教学内容，形成了引领职业教育随企出海的实践范例。

International Cooperation

Committed to high-level international engagement and expanding its global influence, the college aligns its efforts with the Belt and Road Initiative and the needs of international industrial cooperation. Leveraging platforms such as the “Mozi Workshop” (Liaoning’s overseas vocational education brand), the Thailand Overseas Industry–Academia–Research Base, the “Silk Road Chinese” Overseas Training Center, and the Pakistan–China Friendship Language Center, the college focuses on cultivating globally competitive technical talent and supporting Chinese enterprises operating





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overseas. It actively develops degree programs for international students and provides skills training for overseas employees.

With approval from the Ministry of Education, the college runs a joint education program with Kazan National Research Technological University in Russia. It also collaborates with Chinese enterprises in Belt and Road partner countries to integrate new processes, technologies, and standards into teaching. This model has become a leading example of vocational education accompanying Chinese companies as they expand abroad.